AFCTN Test Report 94-141

AFCTB-ID 94-088

TMSS Parsing Test

MIL-M-9977J, Appendix G, Loading Procedures Checklists

Document Type Definition

MAXIMA Corporation

DISA Contract #DCA100-93-D-0065

Quick Short Test Report

24 June 1994

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TMSS Parsing Test

MIL-M-9977J, Appendix G,

Loading Procedures Checklists

Document Type Definition

For:

MAXIMA Corporation

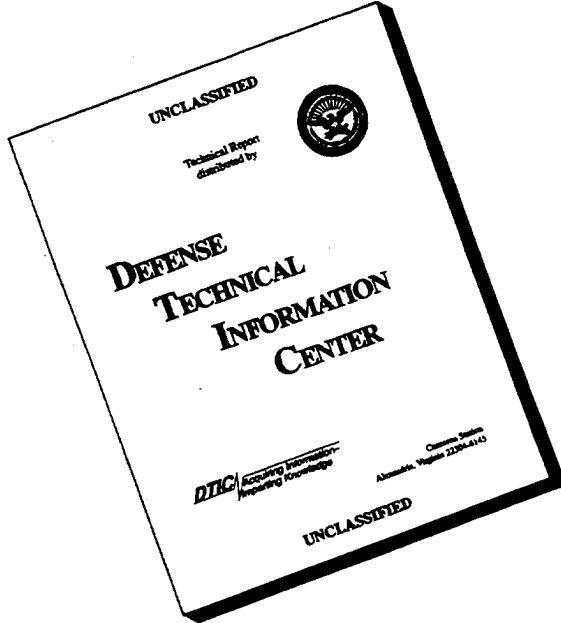DISA Contract #DCA100-93-D-0065

Quick Short Test Report

24 June 1994

Prepared By
Air Force CALS Test Bed
Wright-Patterson AFB, OH 45433

AFCTB Contact
Gary Lammers
(513) 427-2295

AFCTN Contact
Mel Lammers
(513) 427-2295

Air Force CALS Test Bed

Notification of Test Results

24 June 1994

This notice documents the results of an Air Force CALS Test Bed (AFCTB) Quick Short Test Report (QSTR) evaluation of data submitted by:

MAXIMA Corporation

Identified as follows:

Title:	**MIL-M-9977J, Appendix G, Loading Procedures Checklist, DTD Parsing Test**
Program:	**DISA**
Program Office:	**DISA**
Contract No.:	**DCA100-93-D-0065**
QSTR No.:	**AFCTB-ID 94-088**

Received on the following media: **3.5" Diskette**

The results of the QSTR evaluation are as follows:

MIL-STD-1840A Media Format:	**N/A**
MIL-D-28000A IGES:	**N/A**
MIL-M-28001B SGML:	**Pass**
MIL-R-28002A Raster:	**N/A**
MIL-D-28003 CGM:	**N/A**

Formal results with associated disclaimer are documented and available from the AFCTB.

**Air Force CALS Test Bed
HQ ESC/AV-2P
4027 Colonel Glenn Highway, Suite 300
Dayton, OH 45431-1672
Phone: 513-257-3085   FAX: 513-257-5881**

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Contents

1. Introduction

1.1 Background

The Department of Defense (DoD) Air Force Continuous Acquisition and Life-cycle Support (CALS) Test Network (AFCTN) is conducting tests of the military standard for the Automated Interchange of Technical Information, MIL-STD-1840A, and its companion suite of military specifications. The AFCTN is a DoD sponsored confederation of voluntary participants from industry and government managed by the Electronic Systems Center (ESC).

The primary objective of the AFCTN is to evaluate the effectiveness of the CALS standards for technical data interchange and to demonstrate the technical capabilities and operational suitability of those standards. Two general categories of tests are performed to evaluate the standards; formal and informal.

Formal tests are large and comprehensive, which follow a written test plan, require specific authorization from the DoD, and may take months to prepare, execute, and report.

Informal tests are quick and short, used by the AFCTN technical staff, to broaden the testing base. They include representative samples of the many systems and applications used by AFCTN participants. They also allow the AFCTN staff to gain feedback from many industry and government interpretations of the standards, to increase the base of participation in the CALS initiative, and respond to the many requests for help that come from participants. Participants take part voluntarily, benefit by receiving an evaluation of their latest implementation (interpretation) of the standards, interact with the AFCTN technical staff, gain experience using the standards, and develop increased confidence in them. The results of informal tests are reported in Quick Short Test Reports (QSTRs) that briefly summarize the standard(s) tested, the hardware and software used, the nature of the test, and the results.

1.2 Purpose

The purpose of this informal test is to analyze Air Force
Document Type Definitions (DTDs) for Standard Generalized
Markup Language (SGML) syntax, using several commercial and
public domain SGML parsers, prior to placing them in the
Defense Information Systems Agency (DISA) Asset Source for
Software Engineering Technology (ASSET) repository.

2. Test Parameters

Test Plan: AFCTB 94-088

**Date of
Evaluation:**   24 June 1994

Evaluator: George Elwood
                                  Air Force CALS Test Bed
                                  DET 2 HQ ESC/AV-2P
                                  4027 Colonel Glenn Hwy
                                  Suite 300
                                  Dayton OH 45431-1672

**Data
Originator:**   Kay Hill
                                  MAXIMA Corporation
                                  2372 Lakeview Drive
                                  Beavercreek OH 45431
                                  (513) 427-5888

**Data
Description:**   Technical Manual Test
                                       1 DTD

**Data
Source System:**

                   Text/SGML
                          SOFTWARE
                                  Unknown

Evaluation Tools Used:

          MIL-M-28001 (SGML)
                     PC 486/50
                             Exoterica *XGMLNormalizer v1.2e3.2*
                             Exoterica *Validator v2.2 exl*
                             McAfee & McAdam *Sema Mark-it v2.3*
                             Public Domain *sgmls 1.1*

**Standards
Tested:**   MIL-M-28001B

3. 1840A Analysis

3.1 External Packaging

The 3.5" diskette was hand delivered to the Air Force CALS Test Bed (AFCTB). It was not enclosed in any type of container.

The files received by the AFCTB were not MIL-STD-1840A. The files were not named per the standard conventions, as the stated purpose of the evaluation was the basic data structure.
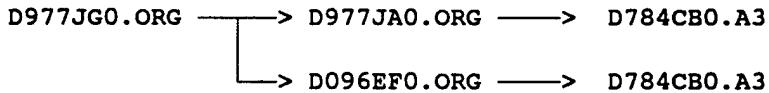
4. SGML Analysis

The AFCTB has several parsers available for evaluating submitted DTD and text files. These tools are not used to generate a pass/fail but to report how commercially available software can handle the files. These products are used in the development of technical publications and are good indicators of usability. The use of these products is not an endorsement nor an indication of CALS capability. All operations were performed using the default settings unless specified in the report.

The goal was to configure the DTD under analysis as it would normally be used. However, for this analysis it was necessary to modify the DTD adding the "DOCTYPE doc [" statement to the start and the companion "]>" to the end of the DTD under evaluation, as stated in the comments of the DTD. If the parser did not support a formal file pointing to the location of the ISO character sets, this was added.

The DTD under evaluation, MIL-M-9977J, Appendix G, Loading Procedures Checklists, called a sequence of companion DTDs, each in turn, as illustrated by the diagram below. These DTDs were delivered on the same diskette as the DTD to be evaluated. The DTDs were not changed except to point to the succeeding DTD in the sequence and to insert the location of the ISO character set files in the D784CB0.A3 DTD.

```
<!-- MIL-M-9977J Loading Procedures Checklists DTD -->

D977JG0.ORG ──┬─> D977JA0.ORG ──────> D784CB0.A3
              │
              └─> D096EF0.ORG ──────> D784CB0.A3
```

The following notes apply to the parsing analysis as indicated in the ensuing paragraphs.

      Note 1.   Entity parameters defined more than once is a vaild SGML construct. The duplicate definition errors and/or warnings in this analysis do not indicate any problems.

      Note 2.   Some of the parsers report mixed content model warnings. The use of such content models is normally unnecessary and therefore not normally recommended. Record boundaries within elements of associated instances may be misinterpreted where a mixed content model exists in the DTD.

      Note 3.   The occurrences of warnings "references defined, but not used," appeared because portions of the called DTD, i.e., MIL-M38784C, were not used. They were not used because the entity definitions of the DTD under analysis altered the execution path in the called DTD. The warnings in this analysis do not indicate any problems.

4.1 Exoterica Validator

The DTD file was evaluated using the Exoterica *Validator exl* parser. The basic DTD was modified by placing the concrete syntax file and "<!DOCTYPE doc [" at the start and the "]>" at the end. No errors were reported by the parser.

The parser reported 102 total warnings of two types. The first type warning was for a parameter entity declared more than once. See Note 1 above.

```
<!-- **Warning** in "\xgml\9488.dtd", line 127:
   A parameter entity name has been declared more than once.
   The entity is "%shortitle".
   <!ENTITY % shortitle " " >
               ^^^^^^^^^
-->
```

The second type warning relates to elements defined but not used in any content model.   See Note 3 above.

```
<!-- **Warning** in "\xgml\9488.dtd", line 205:
   An element is not allowed in the document instance because it does not
   appear in any accessible content model or it is completely excluded.
   The element is "ACCPREP".
-->
```

4.2   Exoterica XGML Normalizer

The DTD file was parsed using the Exoterica *XGMLNormalizer* parser.   The concrete syntax and "<!DOCTYPE doc [" were added to the start and "]>" to the end of the file.   No errors or warnings were issued by this utility.

4.3   Public Domain sgmls

The DTD file was evaluated using the Public Domain *sgmls v1.1* parser.   The file was modified by adding the "<!DOC-TYPE doc [" to the start and "]>" to the end of the file as stated in the comments in the DTD.   File D784CB0.A3 location was inserted into the DTD.   No errors were reported by the parser.

The parser reported 37 total warnings of the same type. This warning was for duplicate definitions.   See Note 1 above.

```
sgmls: Warning at \ws\9488.dtd, line 55 in declaration parameter 4:
      Duplicate specification occurred for "%shortitle"; duplicate ignored
```

4.4   Sema Mark-it

The DTD file was evaluated using McAfee & McAdam's *Sema Mark-it v2.3* parser.   The file was modified by adding the concrete syntax and "<!DOCTYPE doc [" to the start and "]>" to the end of the file.   The parser reported no errors or warnings for the file.

5. Conclusions and Recommendations

The file D977JG0.ORG, MIL-M-9977J, Appendix G, Loading Procedures Checklists, conforms to the SGML syntax of ISO Standard 8879, as required by the CALS MIL-M-28001B specification.

The errors, warnings, and comments reported by the parsers used in this evaluation do not indicate invalid SGML syntax.

Recommend the DTD be changed to eliminate the mixed content model. If this is not possible, users should be alerted to the potential problems that may occur in the application of the DTD, and proper guidance should be provided users to avoid the potential problems in the use of this DTD.

6. Appendix A - Detailed SGML Analysis

6.1 Exoterica Validator

```
<!-- **Warning** in "\xgml\9488.dtd", line 127:
   A parameter entity name has been declared more than once.
   The entity is "%shortitle".
   <!ENTITY % shortitle " " >
                ^^^^^^^^^^

-->
<!-- **Warning** in "c:\ws\096e.org" (entity "%m5096cl"), line 31,
      used in "\xgml\9488.dtd", line 181:
   A parameter entity name has been declared more than once.
   The entity is "%frnt".
   <!ENTITY % frnt "(idinfo, lep, verstat?, contents, illuslist?, tablelist?,
                ^^^^

-->
   The entity is "%shortitleuse".
   The entity is "%shortitle".
   The entity is "%shortitle".
   The entity is "%chap".   The entity is "%bodyele".
   The entity is "%shortitleuse".
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 41,
      used in "c:\ws\096e.org" (entity "%m5096cl"), line 80,
      used in "\xgml\9488.dtd", line 181:
   A parameter entity name has been declared more than once.
   The entity is "%shortitle".
   <!ENTITY % shortitle ", shorttitle?" >
                ^^^^^^^^^^

-->
   The entity is "%shortitle".
   The entity is "%yesorno".
   The entity is "%itemid".
   The entity is "%content".
   The entity is "%bodyatt".
   The entity is "%secur".
   The entity is "%frnt".
   The entity is "%titles".
   The entity is "%step1con".
   The entity is "%step2con".
   The entity is "%step3con".
   The entity is "%step4con".
   The entity is "%step5con".
   The entity is "%step6con".
   The entity is "%step7con".
```

```
    The entity is "%bodyele".
    The entity is "%chap".
    The entity is "%stepatt".
```

```
<!-- **Warning** in "c:\ws\977j.dtd" (entity "%mnucbasld"), line 29,
    used in "\xgml\9488.dtd", line 181:
    A parameter entity name has been declared more than once.
    The entity is "%bodyele".
    <!ENTITY % bodyele "(basinfo, bomweapld, practbl)" >
                        ^^^^^^^^
-->
    The entity is "%clno".
    The entity is "%shortitleuse".
    The entity is "%shortitle".
    The entity is "%shortitle".
    The entity is "%titles".
    The entity is "%unl1".
    The entity is "%sect".
    The entity is "%ep".
    The entity is "%frnt".
    The entity is "%nparcon".
```

```
<!-- **Warning** in "\xgml\9488.dtd", line 205:
    An element is not allowed in the document instance because it does not
    appear in any accessible content model or it is completely excluded.
    The element is "ACCPREP".
-->
    The element is "ACFTPREP".
    The element is "ADDRESS".
    The element is "AIRDESC".
    The element is "AIRPREP".
    The element is "AIRPREPLD".
    The element is "APPENDIX".
    The element is "BASINFO".
    The element is "BOMBWEAPSECT".
    The element is "BOMWEAPDESC".
    The element is "BOMWEAPLD".
    The element is "CARTINS".
    The element is "CHAPTER".
    The element is "CHGINSSHT".
    The element is "CHGLIST".
    The element is "CHGREC".
    The element is "DDCHAPTER".
    The element is "DDDESC".
    The element is "DDINDEX".
    The element is "DDINTRO".
    The element is "DDLIST".
    The element is "DDSHEET".
```

```
The element is "DEPLOY".
The element is "DLAYFLT".
The element is "DOC".
The element is "DOCCL".
The element is "DOCNUCBASLD".
The element is "DOCPART".
The element is "FCTFUNCCHK".
The element is "FERRYPROC".
The element is "FOLDSECT".
The element is "GENERAL".
The element is "GENPROC".
The element is "GENSAFREQ".
The element is "GLOSSARY".
The element is "ILLUSLIST".
The element is "INDEX".
The element is "INSERTPG".
The element is "INTRO".
The element is "LOAD".
The element is "LOADPREP".
The element is "NONSTRTOSTR".
The element is "PGNO".
The element is "POSTLDINSP".
The element is "PRACTBL".
The element is "PRACTBLSECT".
The element is "PREFACE".
The element is "PREUNLOAD".
The element is "PRIORLNCH".
The element is "RACKLOAD".
The element is "REAR".
The element is "REMOVEPG".
The element is "SAFING".
The element is "SCOPE".
The element is "SECTION".
The element is "SPECSAFREQ".
The element is "STRAYVOLTCHK".
The element is "STRNONSTR".
The element is "SUPPEQDESC".
The element is "SUPPEQUIPDESC".
The element is "TABLELIST".
The element is "UNLOAD".
The element is "VOLUME".
The element is "WARNPAGE".

<!-- Capacity points/limits:
```

```
        TOTALCAP =167498/200000
        ENTCAP   =13792/200000
        ENTCHCAP =17242/70000
        ELEMCAP  =6208/70000
        GRPCAP   =38880/70000
        EXGRPCAP =992/70000
        EXNMCAP  =1952/70000
        ATTCAP   =63424/200000
        ATTCHCAP =1453/70000
        AVGRPCAP =23296/70000
        NOTCAP   =96/70000
        NOTCHCAP =163/70000
        IDCAP    =0/70000
        IDREFCAP =0/70000
        MAPCAP   =0/70000
        LKSETCAP =0/70000
        LKNMCAP  =0/70000
-->
<!-- 0 errors and 102 warnings reported. -->
```

6.2 Public Domain sgmls Log

```
sgmls: Warning at \ws\9488.dtd, line 55 in declaration parameter 4:
       Duplicate specification occurred for "%shortitle"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       Warning at c:\ws\096e.org, line 32 in declaration parameter 4:
       Duplicate specification occurred for "%frnt"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       Warning at c:\ws\096e.org, line 34 in declaration parameter 4:
       Duplicate specification occurred for "%shortitleuse"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       Warning at c:\ws\096e.org, line 38 in declaration parameter 4:
       Duplicate specification occurred for "%shortitle"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       Warning at c:\ws\096e.org, line 42 in declaration parameter 4:
       Duplicate specification occurred for "%shortitle"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       Warning at c:\ws\096e.org, line 44 in declaration parameter 4:
       Duplicate specification occurred for "%chap"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       Warning at c:\ws\096e.org, line 46 in declaration parameter 4:
       Duplicate specification occurred for "%bodyele"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 37 in declaration parameter 4:
       Duplicate specification occurred for "%shortitleuse"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 41 in declaration parameter 4:
       Duplicate specification occurred for "%shortitle"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 45 in declaration parameter 4:
       Duplicate specification occurred for "%shortitle"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 47 in declaration parameter 4:
       Duplicate specification occurred for "%yesorno"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 60 in declaration parameter 4:
       Duplicate specification occurred for "%itemid"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 69 in declaration parameter 4:
       Duplicate specification occurred for "%content"; duplicate ignored
```

sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 80 in declaration parameter 4:
       Duplicate specification occurred for "%bodyatt"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 84 in declaration parameter 4:
       Duplicate specification occurred for "%secur"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 109 in declaration parameter 4:
       Duplicate specification occurred for "%frnt"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 126 in declaration parameter 4:
       Duplicate specification occurred for "%titles"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 139 in declaration parameter 4:
       Duplicate specification occurred for "%step1con"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 142 in declaration parameter 4:
       Duplicate specification occurred for "%step2con"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 145 in declaration parameter 4:
       Duplicate specification occurred for "%step3con"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 148 in declaration parameter 4:
       Duplicate specification occurred for "%step4con"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 151 in declaration parameter 4:
       Duplicate specification occurred for "%step5con"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 154 in declaration parameter 4:
       Duplicate specification occurred for "%step6con"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 156 in declaration parameter 4:
       Duplicate specification occurred for "%step7con"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
       In file included at c:\ws\096e.org, line 80:
       Warning at i:\dtd\784c.dtd, line 165 in declaration parameter 4:
       Duplicate specification occurred for "%bodyele"; duplicate ignored

sgmls: In file included at \ws\9488.dtd, line 109:
        In file included at c:\ws\096e.org, line 80:
        Warning at i:\dtd\784c.dtd, line 186 in declaration parameter 4:
        Duplicate specification occurred for "%chap"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
        In file included at c:\ws\096e.org, line 80:
        Warning at i:\dtd\784c.dtd, line 226 in declaration parameter 4:
        Duplicate specification occurred for "%stepatt"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
        Warning at c:\ws\977j.dtd, line 29 in declaration parameter 4:
        Duplicate specification occurred for "%bodyele"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
        Warning at c:\ws\977j.dtd, line 31 in declaration parameter 4:
        Duplicate specification occurred for "%clno"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
        Warning at c:\ws\977j.dtd, line 33 in declaration parameter 4:
        Duplicate specification occurred for "%shortitleuse"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
        Warning at c:\ws\977j.dtd, line 37 in declaration parameter 4:
        Duplicate specification occurred for "%shortitle"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
        Warning at c:\ws\977j.dtd, line 41 in declaration parameter 4:
        Duplicate specification occurred for "%shortitle"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
        Warning at c:\ws\977j.dtd, line 43 in declaration parameter 4:
        Duplicate specification occurred for "%titles"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
        Warning at c:\ws\977j.dtd, line 46 in declaration parameter 4:
        Duplicate specification occurred for "%unl1"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
        Warning at c:\ws\977j.dtd, line 57 in declaration parameter 4:
        Duplicate specification occurred for "%sect"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
        Warning at c:\ws\977j.dtd, line 59 in declaration parameter 4:
        Duplicate specification occurred for "%ep"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
        Warning at c:\ws\977j.dtd, line 62 in declaration parameter 4:
        Duplicate specification occurred for "%frnt"; duplicate ignored
sgmls: In file included at \ws\9488.dtd, line 109:
        Warning at c:\ws\977j.dtd, line 65 in declaration parameter 4:
        Duplicate specification occurred for "%nparcon"; duplicate ignored

TOTALCAP 164221
ENTCAP 13792
ENTCHCAP 13933
ELEMCAP 6208
GRPCAP 38880
EXGRPCAP 1024
EXNMCAP 1952
ATTCAP 63424
ATTCHCAP 1453
AVGRPCAP 23296
NOTCAP 96
NOTCHCAP 163
IDCAP 0
IDREFCAP 0
MAPCAP 0
LKSETCAP 0
LKNMCAP 0

6.3 Sema Mark-it Parser Log

```
ATTCNT --100-- 47
ATTSPLEN --960-- 0
BSEQLEN --960-- 0
DTAGLEN --16-- 0
DTEMPLEN --16-- 0
ENTLVL --16-- 3
GRPCNT --32-- 22
GRPGTCNT --96-- 27
GRPLVL --16-- 5
LITLEN --3048-- 747
NAMELEN --32-- 13
NORMSEP --2-- 0
PILEN --240-- 0
TAGLEN --960-- 0
TAGLVL --24-- 0
MSDLVL --24-- 1
TOTALCAP --200000-- 173211
ENTCAP --200000-- 17024
ENTCHCAP --70000-- 14062
ELEMCAP --70000-- 6208
GRPCAP --70000-- 44512
EXGRPCAP --70000-- 1024
EXNMCAP --70000-- 1952
ATTCAP --200000-- 63424
ATTCHCAP --70000-- 1453
AVGRPCAP --70000-- 23296
NOTCAP --70000-- 96
NOTCHCAP --70000-- 160
IDCAP --70000-- 0
IDREFCAP --70000-- 0
MAPCAP --70000-- 0
LKSETCAP --70000-- 0
LKNMCAP --70000-- 0
```

6.4 D977JG0.ORG

```
<!-- ************************* START OF FILE ************************* -->

<!-- SUPPLEMENT NOTICE:  This file is made available to provide the user with
a digital representation of the DTD found in Appendix D of MIL-M-5096E.
This file is incomplete without MIL-M-5096E. -->

<!-- NOTE: The start and end of this file are marked with a row of asterisks.
If these rows are not present the file may not be complete! -->

<!-- MIL-M-9977J Loading Procedures Checklists DTD -->

<!-- The following set of declarations may be referred to by
using a public entity as follows:

<!ENTITY % mldproccl PUBLIC "-//USA DOD//DTD MIL-M-9977J LDPCL//EN" >
%mldproccl;
-->

<!-- NOTE: In order to parse the following DTD subset alone,
append the following statement to the beginning of the file:

    <!DOCTYPE docldproccl [

and the associated "]>" to the end of the file. -->

<!-- ENTITY DECLARATIONS -->

<!ENTITY % bnucload "IGNORE" >

<![ %bnucload; [

<!ENTITY % bodyele "(ldcrewbrief, loadproc, unloadproc)" >

]]>

<!ENTITY % bodyele "(ldcrewbrief, emergproc, loadproc,
unloadproc)" >

<!ENTITY % mnucbasld PUBLIC "-//USA-DOD//DTD MIL-M-9977J
NBL//EN">

<!ENTITY % m5096cl PUBLIC "-//USA-DOD//DTD MIL-M-5096E CL//EN" >
```

```
<!ENTITY % shortitleuse "INCLUDE" >

<![ %shortitleuse; [

<!ENTITY % shortitle ", shorttitle?" >
]]>

<!ENTITY % secur "security (u | c | s) 'u' " >

<!ENTITY % shortitle " " >

<!ENTITY % titles "title %shortitle;" >

<!ENTITY % clno "IGNORE" >

<!ENTITY % frnt "(idinfo, lep, verstat?, contents, foreword,
safesum?) " >

<!ENTITY % chap "(%titles;, task+)" >

<!ENTITY % ep "(%chap;)" >

<!ENTITY % unll "(%chap;)" >

<!ENTITY % yesorno "NUMBER" >

<!ENTITY % itemid
"sssn CDATA #IMPLIED
unit CDATA #IMPLIED
module CDATA #IMPLIED
lru CDATA #IMPLIED
assem CDATA #IMPLIED
subassem CDATA #IMPLIED
ssubassm CDATA #IMPLIED
compon CDATA #IMPLIED
partno CDATA #IMPLIED
refdes CDATA #IMPLIED" >

<!ENTITY % content
"texttype NUMBER #IMPLIED
applictype IDREFS #IMPLIED
applicrefid IDREFS #IMPLIED
skilltrk NMTOKENS #IMPLIED
contype (desc | proc ) #IMPLIED
assocfig IDREFS #IMPLIED
assoctab IDREFS #IMPLIED" >

<!ENTITY % bodyatt
```

```
"id ID #IMPLIED
inschlvl NUTOKEN #IMPLIED
delchlvl NUTOKEN #IMPLIED
label NMTOKEN #IMPLIED
hcp %yesorno; '0'
esds %yesorno; '0'
%itemid;
%content;" >

<!ENTITY % stepatt
"%bodyatt;
%secur;
stepid CDATA #REQUIRED
crewmember NUMBER #REQUIRED" >

%m5096cl; %mnucbasld;

<!-- ELEMENT and ATTRIBUTE LIST DECLARATIONS -->

<!ELEMENT docldproccl      - - (front, body)    +(pgbrk | brk) >
<!ATTLIST docldproccl      service %service; 'AF'
                           %secur;
                           %docatt; >

<!ELEMENT ldcrewbrief      - - (%chap;)    +(figure | table |
                                            foldout) >
<!ATTLIST ldcrewbrief      tocentry %yesorno; "1"
                           shortentry %yesorno; "0"
                           %bodyatt;
                           %secur; >

<!ELEMENT loadproc         - - (%chap;)    +(figure | table |
                                            foldout) >
<!ATTLIST loadproc         tocentry %yesorno; "1"
                           shortentry %yesorno; "0"
                           %secur;
                           %bodyatt; >

<!-- ************************ END OF FILE *************************** -->
```